



JAIPUR METRO

JAIPUR METRO RAIL CORPORATION LIMITED

Directorate of Operations & Systems

GM (Rolling Stock), JMRC,

Admin Building, Metro Maintenance Depot,

Bhrigu Path, Mansarovar, Jaipur-302020,

Tel.No.0141-2822109 (O), E-mail-gmrs@jaipurmetrorail.in



No. JMRC/O&S/DCOS/RS/F(69)

Dated: 01.01.2019

To,

Contact No.:

Email Id:

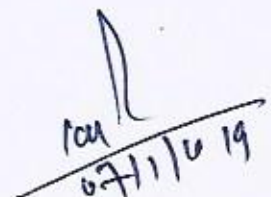
Sub: RFQ for "Procurement of Paint for RS08 Metro trains"

Sealed Quotations are invited for supply of materials as per special terms and conditions mentioned in Annexure –A and as per specification mentioned in BOQ (Annexure-B).

Signed, stamped and sealed offers should reach in the **Office of Manager (DCOS) Room no. S09, DCOS Building, Mansarovar metro train depot, Bhrigu path, Mansarovar, Jaipur-302020, Contact No.7728895810 by 23/01/2019 at 11:00 Hours positively.**

Offers received after due date and time will not be entertained.

Quotations will be opened on due date mentioned above at 11:30 hrs.


07/1/19
(Kishan Singh)
General Manager (Rolling Stock)

Encl:-

- I. Special terms and Conditions (Annexure-A) and BOQ
- II. Paint Specification(Annexure-B)



JAIPUR METRO

JAIPUR METRO RAIL CORPORATION LIMITED

Directorate of Operations & Systems

GM (Rolling Stock), JMRC,

Admin Building, Metro Maintenance Depot,

Near Ganga Jamuna Petrol Pump, Mansarovar, Jaipur-302020,

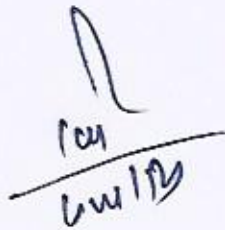
Tel.No.0141-5153708 (O), E-mail- gmrs@jaipurmetrorail.in



Annexure –A

1. Bidder should have valid GST registration number.
2. Purchase order will be given to one firm basis on the overall least Quoted amount in BOQ.
3. Bidders have to quote for all items in BOQ. Partially filled BOQ will be summarily rejected.
4. The rates quoted shall be FOR JMRC office, Mansarovar Metro Depot, Jaipur-302020, inclusive of all expenses i.e. all taxes (excluding GST), and Freight charges, transportation charges, packing charges etc; no other charges shall be paid by JMRC.
5. The material is to be supplied within 30 day from issue of purchase order .
6. Bid name and bid no. should be mentioned on the sealed offer.
7. The above material shall be delivered at Custody Store Section, Train maintenance Depot Mansarovar, Near -Ganga Jamuna Petrol Pump, Mansarovar –Jaipur-302020 to JE/custody store.
8. Payment Terms-100% payment after receipt and acceptance of material.
9. Inspection Authority: By nominated JMRC staff.
10. Consignee: JE/RS/Custody Store, Mansarovar Train maintenance Depot, Jaipur-Rajasthan.
11. Validity of offer:-Tenderer is required to keep their offer open at least Ninety days (90 days) from the date of tender opening.
12. The offer shall be unconditional and JMRC has the right to accept or reject the tender in any stage.
13. Specification of Paint is attached as per annexure –B .

Signature of firm representative
(With seal of firm)





JAIPUR METRO

JAIPUR METRO RAIL CORPORATION LIMITED

Directorate of Operations & Systems

GM (Rolling Stock), JMRC,

Admin Building, Metro Maintenance Depot,

Near Ganga Jamuna Petrol Pump, Mansarovar, Jaipur-302020,

Tel.No.0141-5153708 (O), E-mail- gmrs@jaipurmetrorail.in



BILL OF QUANTITY(BOQ)

GST No. _____

S.NO	Description of Item	Estimate Quantity (in ltr) (A)	Rate/ltr (INR) (B)	Amount (Without GST) (C=A*B) (INR)
1.	Epoxy Primer- KCC product code- EP1119-A-1105 or equivalent	12.00		
2.	Curing Agent- KCC product code- EP1119-B or equivalent	4.00		
3.	Epoxy Thinner - KCC product code- 024 or equivalent	20.00		
4.	Interior Saloon paint- KCC product code-UT5119(S)-A-NCS1000N(RS6-GREY) or equivalent	12.80		
5.	Driver cab front panel paint- KCC product code-UT5119(S)-A-NCS 0502Y or equivalent	12.80		
6.	Driver cab side panel paint- KCC product code-UT5119(S)-A-NCS 5500N or equivalent	12.80		
7.	Bogie Parts- KCC product code- UT5119(S)-A-NCS 8500N or equivalent	25.60		
8.	Urethane thinner - KCC product code- 037U(SUMMER) or equivalent	20.00		
Total Amount(INR)				
GST/IGST(INR)@ 18%				
Grand Total (in Rs.)				

NOTE:

- The rates quoted shall be FOR JMRC office, Mansarovar Metro Depot, Jaipur-302020, inclusive of all expenses i.e. all taxes (excluding GST), and Freight charges, transportation charges, packing charges etc; no other charges shall be paid by JMRC.

Registered Office: Khanij Bhawan, Udyog Bhawan Premises, Tilak Marg, C-Scheme, Jaipur-302005

CIN: U60221RJ2010SGC030630

Website: transport.rajasthan.gov.in/jmrc

MCM
Am 1/13



JAIPUR METRO

JAIPUR METRO RAIL CORPORATION LIMITED

Directorate of Operations & Systems

GM (Rolling Stock), JMRC,

Admin Building, Metro Maintenance Depot,

Near Ganga Jamuna Petrol Pump, Mansarovar, Jaipur-302020,


Tel.No.0141-5153708 (O), E-mail- gmrs@jaipurmetrorail.in



2. GST will be paid at rate applicable at the time of billing.

Signature of firm representative

- (With seal of firm)


PCY
20/1/23

Paint Specifications

1. Epoxy Primer- EP1119-A-1105(ENG)

SECTION 2 - COMPOSITION / INFORMATION OF HAZARDOUS INGREDIENT

<u>INGREDIENT</u>	<u>CAS No</u>	<u>BY WEIGHT</u>
Ethylbenzene	100-41-4	1-10
Xylene	1330-20-7	11-20
Lightaromatic -solventnaphtha	64742-95-6	1-10
Propylene Glycol mono -Methyl Ether	107-98-2	1-10
Isopropyl Alcohol	67-63-0	1-10
Quartz	14808-60-7	11-20
Titanium Dioxide	13463-67-7	11-20
Talc	14807-96-6	11-20
Amide	No Data	1-10
Epoxy	25036-25-3	11-20
Secret 1	No Data	11-20

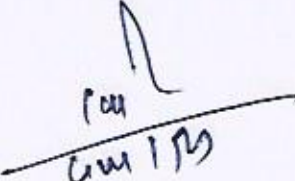
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : liquid
 ODOR : Smell of liquor
 SPECIFIC GRAVITY (H2O=1) : 1.50-1.54
 BOILING POINT(°F) : No Data
 FLASH POINT : 53.6°F (Closed Cup)
 EVAPORATION RATE(VS.n-BuAc) : Slower
 PH VALUE : Not available
 SOLUBILITY IN WATER : Negligible
 VAPOR DENSITY(VS.AIR) : Heavier
 LOW EXPLOSIVE LIMIT(LEL) : 1%
 UPPER EXPLOSIVE LIMIT(UEL) : 14%
 AUTOIGNITION TEMPERATURE : No data

2. Curing Agent-EP1119-B

SECTION 2 - COMPOSITION / INFORMATION OF HAZARDOUS INGREDIENT

<u>INGREDIENT</u>	<u>CAS No</u>	<u>BY WEIGHT</u>
Xylene	1330-20-7	21-30
Ethylbenzene	100-41-4	1-10
Isopropyl Alcohol	67-63-0	1-10
Polyamide	No Data	41-50
Secret	No Data	1-10



 Cms / 1/19

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : liquid
ODOR : Smell of liquor
SPECIFIC GRAVITY (H2O=1) : 0.92-0.94
BOILING POINT(°F) : No Data
FLASH POINT : 71.6°F (Closed Cup)
EVAPORATION RATE(VS.n-BuAc) : Slower
PH VALUE : Not available
SOLUBILITY IN WATER : Negligible
VAPOR DENSITY(VS.AIR) : Heavier
LOW EXPLOSIVE LIMIT(LEL) : 1%
UPPER EXPLOSIVE LIMIT(UEL) : 12%
AUTOIGNITION TEMPERATURE : No data

3. Epoxy Thinner - 024(ENG)

Section 2 - Composition of ingredients

INGREDIENT	CAS NO	PERCENT BY WEIGHT	TWA(ppm)
1) n-BUTYL ALCOHOL	000071-36-3	21 ~ 30	NA
2) 1,2,4-TRIMETHYLBENZENE	000095-63-6	1 ~ 10	NA
3) ETHYLBENZENE	000100-41-4	4 ~ 13	NA
4) XYLENE	001330-20-7	31 ~ 40	100
5) LIGHT AROMATIC SOLVENT NAPHTHA	064742-95-6	11 ~ 20	NA
6) S1(SECRET)		1 ~ 10	No Data

Section 9 - Physical and Chemical Properties

APPEARANCE : liquid
ODOR : Smell of liquor
SPECIFIC GRAVITY (H2O=1) : 0.843 ~ 0.863
BOILING POINT(°F) : BP
FLASH POINT : 25 °C (Closed Cup)
EVAPORATION RATE(VS.n-BuAc) : Slower
PH VALUE : Not available
SOLUBILITY IN WATER : Negligible
VAPOR DENSITY(VS.AIR) : Heavier
LOW EXPLOSIVE LIMIT(LEL) : 0.8 %
UPPER EXPLOSIVE LIMIT(UEL) : 11.2 %
AUTOIGNITION TEMPERATURE : 343 °C

4. Interior Saloon paint-UT5119(S)-A-NCS1000N(RS6-GREY)

Section 2 - Composition of Ingredients

INGREDIENT	CAS NO	PERCENT BY WEIGHT	TWA(ppm)
ACRYL	No data	21 ~ 30	No data
ETHYLBENZENE	000100-41-4	1 ~ 10	NA
PROPYLENE GLYCOL MONOMETHYL ETHER ACE	000108-65-6	1 ~ 9	NA
XYLENE	001330-20-7	18 ~ 27	100
TITANIUM DIOXIDE	013463-67-7	14 ~ 23	No data
ALUMINUM HYDROXIDE	021645-51-2	14 ~ 23	No data
S1(Secret)		0.1 ~ 0.9	No data

*For
Cm 1/12*

Section 9 - Physical and Chemical Properties

APPEARANCE : liquid
ODOR : Smell of liquor
SPECIFIC GRAVITY (H2O=1) : [object]
BOILING POINT(°F) : BP
FLASH POINT : 0 °C (Closed Cup)
EVAPORATION RATE(VS.n-BuAc) : ER
PH VALUE :
SOLUBILITY IN WATER :
VAPOR DENSITY(VS. AIR) :
LOW EXPLOSIVE LIMIT(LEL) : 0 %
UPPER EXPLOSIVE LIMIT(UEL) : 7.5 %
AUTOIGNITION TEMPERATURE : 0 °C

5. Driver cab front panel paint- UT5119(S)-A-NCS 0502Y

Section 2 - Composition of ingredients

INGREDIENT	CAS NO	PERCENT BY WEIGHT	TWA(ppm)
1) ACRYL	No data	21 ~ 30	No data
2) ETHYLBENZENE	000100-41-4	1 ~ 9	NA
3) PROPYLENE GLYCOL MONOMETHYL ETHER ACE TATTE	000108-65-6	1 ~ 10	NA
4) DIISOBUTYL KETONE	000108-83-8	0.1 ~ 0.9	NA
5) TOLUENE	000108-88-3	1 ~ 10	100
6) N-BUTYL ACETATE	000123-86-4	1 ~ 10	150
7) ZIRCONIUM OXIDE	001314-23-4	0.1 ~ 0.9	No data
8) XYLENE	001330-20-7	11 ~ 20	100
9) TITANIUMDIOXIDE	013463-67-7	21 ~ 30	No data
10) IRON HYDROXIDE OXIDE	020344-49-4	0.1 ~ 0.9	NA
11) ALUMINUM HYDROXIDE	021645-51-2	4 ~ 13	No data
12) 2-METHOXY-1-PROPYL ACETATE	070657-70-4	0.1 ~ 0.9	No data
13) AMPHIOUS SYNTHETIC SILICA GEL	112925-00-8	1 ~ 9	No data
14) SILICA, AMORPHOUS, FUMED	112945-52-5	0.1 ~ 0.9	No data
15) Zinc 2-Ethylhexanoate	000138-53-8	0.1 ~ 0.9	NA

Section 9 - Physical and Chemical Properties

APPEARANCE : Liquid
ODOR : Smell of liquor
SPECIFIC GRAVITY (H2O=1) : 1.28-1.32
BOILING POINT(°F) : No Data
FLASH POINT : 25 °C (Closed Cup)
EVAPORATION RATE(VS.n-BuAc) : Slower
PH VALUE : Not available
SOLUBILITY IN WATER : Negligible
VAPOR DENSITY(VS. AIR) : Heavier
LOW EXPLOSIVE LIMIT(LEL) : 0 %
UPPER EXPLOSIVE LIMIT(UEL) : 7.5 %
AUTOIGNITION TEMPERATURE : 354 °C

rcu
05/1/19

6. Driver cab side panel paint-UT5119(S)-A-NCS 5500N

Section 2 - Composition of ingredients

INGREDIENT	CAS NO	PERCENT BY WEIGHT	TWA(ppm)
ACRYL	No data	21 ~ 30	No data
ETHYLBENZENE	000100-41-4	1 ~ 10	NA
PROPYLENE GLYCOL MONOMETHYL ETHER ACE	000108-65-6	1 ~ 9	NA
XYLENE	001330-20-7	18 ~ 27	100
TITANIUMDIOXIDE	013463-67-7	11 ~ 20	No data
ALUMINUM HYDROXIDE	021645-51-2	14 ~ 23	No data
S1(Secret)		0.1 ~ 0.9	No data

Section 9 - Physical and Chemical Properties

APPEARANCE : liquid

ODOR : Smell of liquor

SPECIFIC GRAVITY (H2O=1) : [object]

BOILING POINT('F) : BP

FLASH POINT : 0 °C (Closed Cup)

EVAPORATION RATE(VS.n-BuAc) : ER

PH VALUE :

SOLUBILITY IN WATER :

VAPOR DENSITY(VS.AIR) :

LOW EXPLOSIVE LIMIT(LEL) : 0 %

UPPER EXPLOSIVE LIMIT(UEL) : 7.5 %

AUTOIGNITION TEMPERATURE : 0 °C

7. Bogie Parts-UT5119(S)-A-NCS 8500N

Section 2 - Composition of ingredients

INGREDIENT	CAS NO	PERCENT BY WEIGHT	TWA(ppm)
1) ACRYL	No data	31 ~ 40	No data
2) ETHYLBENZENE	000100-41-4	1 ~ 10	NA
3) PROPYLENE GLYCOL MONOMETHYL ETHER ACE TATE	000108-65-6	1 ~ 10	NA
4) DIISOBUTYL KETONE	000108-83-8	0.1 ~ 0.9	NA
5) TOLUENE	000108-88-3	1 ~ 10	100
6) N-BUTYL ACETATE	000123-86-4	4 ~ 13	150
7) COPPER PHTHALOCYANINE	000147-14-8	0.1 ~ 0.9	NA
8) FERRIC OXIDE RED	001309-37-1	0.1 ~ 0.9	No data
9) XYLENE	001330-20-7	18 ~ 27	100
10) CARBON BLACK	001333-86-4	1 ~ 9	No data
11) TITANIUMDIOXIDE	013463-67-7	1 ~ 9	No data
12) ALUMINUM HYDROXIDE	021645-51-2	4 ~ 13	No data
13) 2-METHOXY-1-PROPYL ACETATE	070657-70-4	0.1 ~ 0.9	No data
14) AMRPHOUS SYNTHETIC SILICA GEL	112926-00-8	0.1 ~ 0.9	No data
15) SILICA,AMORPHOUS,FUMED	112945-52-5	0.1 ~ 0.9	No data
16) Zinc 2-Ethythexanoate	000135-53-8	0.1 ~ 0.9	NA

real
CWTB

Section 9 - Physical and Chemical Properties

APPEARANCE : Liquid
ODOR : Smell of liquor
SPECIFIC GRAVITY (H2O=1) : 1.09-1.13
BOILING POINT(°F) : No Data
FLASH POINT : 25 °C (Closed Cup)
EVAPORATION RATE(VS.n-BuAc) : Slower
PH VALUE : Not available
SOLUBILITY IN WATER : Negligible
VAPOR DENSITY(VS.AIR) : Heavier
LOW EXPLOSIVE LIMIT(LEL) : 0 %
UPPER EXPLOSIVE LIMIT(UEL) : 7.5 %
AUTOIGNITION TEMPERATURE : 354 °C

8. Urethane thinner -037U(SUMMER)

Section 2 - Composition of ingredients

INGREDIENT	CAS NO	PERCENT BY WEIGHT	TWA(ppm)
TOLUENE	108-88-3	21 ~ 30	100
XYLENE	1330-20-7	31 ~ 40	100
ETHYLBENZENE	100-41-4	1 ~ 10	100
ETHYLACETATE	141-78-6	1 ~ 10	400
N-BUTYL ACETATE	123-86-4	1 ~ 10	150
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	1 ~ 10	No Data
METHYL ISOBUTYL KETONE	108-10-1	1 ~ 10 0.1 ~ 0.9	50 No Data

Section 9 - Physical and Chemical Properties

APPEARANCE : Colorless Liquid
ODOR : Smell of Liquid
SPECIFIC GRAVITY (H2O=1) : 0.8-0.9
BOILING POINT(°F) : No Data
FLASH POINT : -4 °C (Closed Cup)
EVAPORATION RATE(VS.n-BuAc) : Slower
PH VALUE : Not available
SOLUBILITY IN WATER : Negligible
VAPOR DENSITY(VS.AIR) : Heavier
LOW EXPLOSIVE LIMIT(LEL) : 1 %
UPPER EXPLOSIVE LIMIT(UEL) : 12 %
AUTOIGNITION TEMPERATURE : 354 °C

col
amf 13